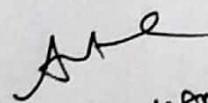


**Event Report of 2 week FDP "Research Opportunities in Medical Imaging, Biomedical Engineering and Health Informatics" held from 23/10/2017 -03/11/2017 conducted by IT Department**

Information Technology department conducted FDP on 0 give a brief about this course that started on 23<sup>rd</sup> Oct 2017 where Dr Sukhwinder Singh of UIET was the chief guest. The keynote address of Dr Sukhwinder Singh was based on insights of medical imaging, biomedical engineering and health informatics. An MOU with Conjoint Health care solutions was signed n FDP for providing research assistance to the M,Tech and PhD Scholars of GNDEC. Dr A S Arora from SLIET Longowal presented his views on his recent research happening in the field of biomedical engineering. Dr. Amit Kamra fromGNDEC talk was on Designing Biometric authentication techniques using MATLAB. To cater the issue of plagiarism, Dr Akshay Girdhar presented a very detailed presentation on how to avoid plagiarism.

The talk of Dr. Vipul Sharma from IKGPTU was very informative as he presented how to write a world class paper. He also explained use of Mendely, how to access various database. Dr. K S Mann gave his ideas on health informatics and how to use HL7 in research purpose. Dr Ajay and Dr Manpreet Singh presented their views on recent trends on Bioinformatics. Dr Mandeep Singh from Thapar University presented his views on Liver Characterization. The participants were provided hands on session to two tools i.e WEKA and MATLAB. I hope the participants must have gained some practical knowdge from that session. A one day visit was organized to Mayo Diagnostic and Orison Hospital where Dr Sunil Mittal and his team gave live demonstration of Working of X ray Images, CT

Scan, MRI and Mammography. The FDP is designed to bring Researchers, Academia and Technocrats from different parts of the country to a common gathering for exchanging and sharing the recent developments in the field of Medical imaging, biomedical engineering and health informatics. As the course if of interdisciplnary nature, Dr Rupinder singh of Production department will be presenting a talk on biomedical implants. To inculcate research ideas among young scholars, we have managed to arrange one lecture from Mr Mandeep singh Kwatra who is visiting India from England. Dr Arvind Dhingra gave a talk on MATLAB and its applications. Dr Parminder Singh, share his research ideas on Language processing as machine learning and data mining are two pillars of any research problem. Case studies and practical examples enrich their concept in the field of Medical imaging, Biomedical Engineering, Image Processing, Data mining and it will help them to do better teaching and to conduct research activities at their institutes. HOD presented vote of thanks at valedictory ceremony.

  
(Dr. AMIT KAMRA)